Approved For Release 2007/09/14: CIA-RDP80-00810A005200700008-2 REPORT CENTRAL INTELLIGENCE AGENCY INFORMATION REPORT CD NO. 15 December 1954 DATE DISTR COUNTRY East Germany 25X1 Conference on Radar Equipment at NO. OF PAGES SUBJECT WEB Wissenschaftlich-Technisches Buero fuer Geraetebau (WTBG) NO. OF ENCLS. PLACE (LISTED BELOW) ACQUIRED 25X1 SUPPLEMENT.TO DATE OF REPORT NO. INFO. 25X1 THIS IS UNEVALUATED INFORMATION On 26 May 1954, a conference was held at the Wissenschaftlich-Technisches Buero fuer Geraetebau (Scientific-Technical Bureau for Apparatus Construction) (WTBG) . The conference was attended by Matthes (fnu), representative of the Interior Ministry at Rostock, 25X1 Loeber (fnu) of Central Designs Bureau I at Wolgast, Dr. Lange (fnu) of the RFT at Leipzig-Plagwitz, Dr. Weller (fnu), chief engineer of the WTBG, Thielicke (fnu), chief designer of the WTBG, and Zeumer (fnu), chief of the WTBG laboratory. The main topic discussed was the construction of a stabilized platform. Matthes and Loeber also stated that work was being done on the designing of a ship and that the project went under the designation of "Falke". No details were revealed. Herr Matthes mentioned, however, that under present conditions shippards in the GDR had to concentrate on the construction of small ships although the situation might change in a year or so. The radar fire control set, which was the main item on the agendance was originally designed to be mounted on an optical range finder installed in naval gun turrets. This solution was rejected, however, and it was resolved instead to have the radar set mounted near the forward mast or on an attachment to this mast. The stabilization mechanism for the set was to be installed in the interior of the vessel and was to consist of three gyroscopes, one each for the A, B, and C components. The directional gyro autopilots of the stabilized platform are to be remotely controlled electrically by means of rotating indicators (Drehmelder). Such rotating indicators were developed by the Koepenick radio engineering plant for coarse and fine indication. The stabilized platform transmitted the azimuth and elevation values recorded at the radar reflector (Radar Spiegel) to the sighting unit of the radar set. The accuracy intended was one sixth of one degree. SECRET - U.S. OFFICIALS ONLY CLASSIFICATION DISTRIBUTION X NSRB STATE X NAVY 25X1 ORR EV x FBI AIR ARMY

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3. In May 1954, a model of scale 1:10 and the suspension frame required were built at the WTBG. The model was to be tested on its reaction towind forces. The stabilized platform only supports the radar reflector while the pertinent transmitter and receiver are housed below deck. The mission of designing this feflector was also given to the WTBG. The problem whether the values for azimuth and elevation transmitted by the radar reflector were to be fed directly into a computer or not was not decided at the confe

devel into

A component. Representatives of the WTB therefore suggested that the gyroscopic plant be designed in such a way as to give the gyroscope for the A component the maximum possible degree of accuracy. Herr Matthes promised to inform the WTBG by mid-June on the degree of accuracy to be demanded for the A component of

the gyroscopic set.

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